BRUHAT BANGALORE MAHANAGARA PALIKE

Improvements to drains of roads in maruthi farm in amruthanagara A sector in ward no 07 byatarayanapura.

Main bill

Estimate cost: 85.00 lakhs

Ist and final

MAIN BILL			
Name of the work : Improvements to drains of roads in maruthi farm in amruthanagara A sector in ward no 07 byatarayanapura.			
Name of Agency : Ramesh U			
JOB CODE: 007-19-000011			
work order amount: 7967203.32 (Excluding GST)			
Item name:-01	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications..		
	Qty Vide premeasurement sheet 162	779.45 cum	800.33
Item name:-03	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete.7.5 cm thick.		
	Qty Vide premeasurement sheet 364	sqm	110.25
			1450.35

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Engineer

Item name:-02	Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification		
	Qty Vide premeasurement sheet 4 to 5	sqm	110.25

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Engineer

	Item name:-04	Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work				
	Amruthanagra Maruthi Farm					
	3rd main road					
	0-30	1*2	4	30	0.10	12.00
	30-60	1*2	4	30	0.10	12.00
	60-86	1*2	4	26	0.10	10.40
	0-21	1*2	4	21	0.10	8.40
	0-12	1*2	4	12	0.10	4.80
	5th cross					
	0-30	1*2	4	30	0.10	12.00
	30-60	1*2	4	30	0.10	12.00
	Muniswamegowda layout road					
	0-30	1*1	2	30	0.10	6.00
	30-50	1*1	2	20	0.10	4.00
	Narayanaswamy layout road					
	0-30	1*1	2	30	0.10	6.00
	30-50	1*1	2	20	0.10	4.00
	Maruthi farm main road					0.00
	0-30	1*2	4	30	0.10	12.00
	30-60	1*2	4	30	0.10	12.00
	60-90	1*2	4	30	0.10	12.00
	90-120	1*2	4	30	0.10	12.00
	120-136	1*2	4	16	0.10	6.40
	1st cross					
	0-25	1*1	2	25	0.10	5.00
	2nd cross					
	0-25	1*1	2	25	0.10	5.00
	3rd cross					
	0-30	1*2	4	30	0.10	12.00
	0-45	1*2	4	15	0.10	6.00

NDD AE(Ltg) 22/10/2020

174.00

NDD AE(Ltg) 26/10/2020

CA & CP 26/10/2020

Assistant Engineer

CP 26/10/2020

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Engineer

	2nd main road						
	0-30	1*2	4	30	0.10		12.00
	30-60	1*2	4	30	0.10		12.00
	60-90	1*2	4	30	0.10		12.00
	90-120	1*2	4	30	0.10		12.00
	120-150	1*2	4	30	0.10		12.00
	150-180	1*2	4	30	0.10		12.00
	180-210	1*2	4	30	0.10		12.00
	210-240	1*2	4	30	0.10		12.00
	240-270	1*2	4	30	0.10		12.00
	270-300	1*2	4	30	0.10		12.00
	cross road						
	0-30	1*2	4	30	0.10		12.00
	30-60	1*2	4	30	0.10		12.00
	cross road						
	0-29	1*2	4	29	0.10		11.60
							329.60
						Qty Ltd to	**187.80**

155.60

AEE 30/10/2020 AE(W91) 30/10/2020

	Item name:-05	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete10cms thick					
	For new drains covering slab	sqm					
	Amruthanagra Maruthi Farm						
	3rd main road						
	0-30	1*2	95	0.6	0.90		51.30
	30-60	1*2	95	0.6	0.90		51.30
	60-86	1*2	75	0.6	0.90		40.50
	0-21	1*2	65	0.6	0.90		35.10
	0-12	1*2	35	0.6	0.90		18.90
	5th cross						
	0-30	1*2	65	0.6	0.90		35.10
	30-60	1*2	54	0.6	0.90		29.16
	Muniswamegowda layout road						
	0-30	1*1	35	0.6	0.90		18.90
	30-50	1*1	26	0.6	0.90		14.04
	Narayanaswamy layout road						
	0-30	1*1	42	0.6	0.90		22.68
	30-50	1*1	30	0.6	0.90		16.20
	Maruthi farm main road						
	0-30	1*2	85	0.6	0.90		45.90
	30-60	1*2	85	0.6	0.90		45.90
	60-90	1*2	90	0.6	0.90		48.60
	90-120	1*2	93	0.6	0.90		50.22
	120-136	1*2	35	0.6	0.90		18.90

542.70

AEE CyO 30/10/2020

AEE CyO 7/1/2021

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara
Bangalore - 560 092

7/1/21

Assistane Executive Engine

	1st cross						
	0-25	1*1	20	0.6	0.90		10.80
	2nd cross						
	0-25	1*1	20	0.6	0.90		10.80
	3rd cross						
	0-30	1*2	98	0.6	0.90		52.92
	0-45	1*2	50	0.6	0.90		27.00
	2nd main road						
	0-30	1*2	90	0.6	0.90		48.60
	30-60	1*2	90	0.6	0.90		48.60
	60-90	1*2	85	0.6	0.90		45.90
	90-120	1*2	85	0.6	0.90		45.90
	120-150	1*2	85	0.6	0.90		45.90
	150-180	1*2	85	0.6	0.90		45.90
	180-210	1*2	75	0.6	0.90		40.50
	210-240	1*2	80	0.6	0.90		43.20
	240-270	1*2	80	0.6	0.90		43.20
	270-300	1*2	95	0.6	0.90		51.30
	cross road						
	0-30	1*2	80	0.6	0.90		43.20
	30-60	1*2	80	0.6	0.90		43.20
	cross road						
	0-29	1*2	85	0.6	0.90		45.90
					1235.52		**1038.42**
					Qty ltd to		**1035.00**

692.82

NDP
AE(W)
7/1/2021

C & R
7/1/2021

Assistant Engineer

Assistane Executive Engineer

Item name:-6	Providing one line dressing to granite stone slabs/granite stone masonry as per specifications					
Amruthanagra Maruthi Farm	sqm					
3rd main road	**sides**					
0-30	1*2	2	50	0.6	0.90	54.00
30-60	1*2	2	50	0.6	0.90	54.00
60-86	1*2	2	43	0.6	0.90	46.44
0-21	1*2	2	35	0.6	0.90	37.80
0-12	1*2	2	20	0.6	0.90	21.60
5th cross						
0-30	1*2	2	50	0.6	0.90	54.00
30-60	1*2	2	50	0.6	0.90	54.00
Muniswamegowda layout road						
0-30	1*1	1	50	0.6	0.90	27.00
30-50	1*1	1	30	0.6	0.90	16.20
Narayanaswamy layout road						
0-30	1*1	1	50	0.6	0.90	27.00
30-50	1*1	1	30	0.6	0.90	16.20
Maruthi farm main road						
0-30	1*2	2	50	0.6	0.90	54.00
30-60	1*2	2	50	0.6	0.90	54.00
60-90	1*2	2	50	0.6	0.90	54.00
90-120	1*2	2	50	0.6	0.90	54.00
120-136	1*2	2	25	0.6	0.90	27.00
1st cross						
0-25	1*1	1	40	0.6	0.90	21.60
2nd cross						
0-25	1*1	1	40	0.6	0.90	21.60
3rd cross						
0-30	1*2	2	50	0.6	0.90	54.00
0-45	1*2	2	25	0.6	0.90	27.00

c & fc 7/1/21

775.44

	2nd main road						
	0-30	1*2	2	50	0.6	0.90	54.00
	30-60	1*2	2	50	0.6	0.90	54.00
	60-90	1*2	2	50	0.6	0.90	54.00
	90-120	1*2	2	50	0.6	0.90	54.00
	120-150	1*2	2	50	0.6	0.90	54.00
	150-180	1*2	2	50	0.6	0.90	54.00
	180-210	1*2	2	50	0.6	0.90	54.00
	210-240	1*2	2	50	0.6	0.90	54.00
	240-270	1*2	2	50	0.6	0.90	54.00
	270-300	1*2	2	50	0.6	0.90	54.00
	cross road						
	0-30	1*2	2	50	0.6	0.90	54.00
	30-60	1*2	2	50	0.6	0.90	54.00
	cross road						
	0-29	1*2	2	48	0.6	0.90	51.84
					Total Qty		1475.28
					Qty ltd to		**1236.00**

699.84

NDP
DE(LTE)
7/1/2021

7.1.21

Engineer

Assistant Engineer

Assistane Executive Engineer

Item name:-07	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete					
Amruthanagra Maruthi Farm						
3rd main road						
0-30	1*2	2	67			134.00
30-60	1*2	2	66			132.00
60-86	1*2	2	58			116.00
0-21	1*2	2	56			112.00
0-12	1*2	2	27			54.00
5th cross						
0-30	1*2	2	67			134.00
30-60	1*2	2	67			134.00
Muniswamegowda layout road						
0-30	1*1	1	67			67.00
30-50	1*1	1	45			45.00
Narayanaswamy layout road						
0-30	1*1	1	67			67.00
30-50	1*1	1	45			45.00
Maruthi farm main road						
0-30	1*2	2	67			134.00
30-60	1*2	2	67			134.00
60-90	1*2	2	67			134.00
-90-120	1*2	2	66			132.00
120-136	1*2	2	35			70.00
1st cross						
0-25	1*1	1	55			55.00
2nd cross						
0-25	1*1	1	55			55.00
3rd cross						
0-30	1*2	2	67			134.00
0-45	1*2	2	33			66.00

7954.00

Assistant Engineer

Assistane Executive Engin

	2nd main road						
	0-30	1*2	2	67			134.00
	30-60	1*2	2	67			134.00
	60-90	1*2	2	67			134.00
	90-120	1*2	2	67			134.00
	120-150	1*2	2	67			134.00
	150-180	1*2	2	67			134.00
	180-210	1*2	2	67			134.00
	210-240	1*2	2	67			134.00
	240-270	1*2	2	67			134.00
	270-300	1*2	2	67			134.00
	cross road						
	0-30	1*2	2	67			134.00
	30-60	1*2	2	67			134.00
	cross road						
	0-29	1*2	2	65			130.00
	Amruhanagara C sector main road	1*2	2	174.00			**348.00**
							4040.00

C&FC 30/1

C4FC 7.1.21

2086
NDD
AE(W&D)
7/1/2021

	Item name:-13	:Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications					
		sqm					
	Amruthanagra Maruthi Farm						
	3rd main road	sides					
	0-30	1*2	2	67		0.45	60.30
	30-60	1*2	2	66		0.45	59.40
	60-86	1*2	2	58		0.45	52.20
	0-21	1*2	2	56		0.45	50.40
	0-12	1*2	2	27		0.45	24.30
	5th cross						
	0-30	1*2	2	67		0.45	60.30
	30-60	1*2	2	67		0.45	60.30
	Muniswamegowda layout road						
	0-30	1*1	1	67		0.45	30.15
	30-50	1*1	1	45		0.45	20.25
	Narayanaswamy layout road						
	0-30	1*1	1	67		0.45	30.15
	30-50	1*1	1	45		0.45	20.25

c & fc 3/1/21

468

Assistant Engineer

Assistane Executive Engi

	Maruthi farm main road						
	0-30	1*2	2	67		0.45	60.30
	30-60	1*2	2	67		0.45	60.30
	60-90	1*2	2	67		0.45	60.30
	90-120	1*2	2	66		0.45	59.40
	120-136	1*2	2	35		0.45	31.50
	1st cross						
	0-25	1*1	1	55		0.45	24.75
	2nd cross						
	0-25	1*1	1	55		0.45	24.75
	3rd cross						
	0-30	1*2	2	67		0.45	60.30
	0-45	1*2	2	33		0.45	29.70
	2nd main road						
	0-30	1*2	2	67		0.45	60.30
	30-60	1*2	2	67		0.45	60.30
	60-90	1*2	2	67		0.45	60.30
	90-120	1*2	2	67		0.45	60.30
	120-150	1*2	2	67		0.45	60.30
	150-180	1*2	2	67		0.45	60.30
	180-210	1*2	2	67		0.45	60.30
	210-240	1*2	2	67		0.45	60.30
	240-270	1*2	2	67		0.45	60.30
	270-300	1*2	2	67		0.45	60.30
	cross road						
	0-30	1*2	2	67		0.45	60.30
	30-60	1*2	2	67		0.45	60.30
	cross road						
	0-29	1*2	2	65		0.45	58.50
	Amruhanagara C sector main ro	1*2	2	174		0.45	156.60
							1818.00

C4PC CP 31/1/21

1350 NDD AE(LSG) 31/1/2021

Item name:-09	Providing and fixing MS grating 260x260mm						
Amruthanagra Maruthi Farm							
3rd main road		40					40
5th cross		15					15
Muniswamegowda layout road		15					15
Narayanaswamy layout road		15					15
Maruthi farm main road		50					50
1st cross		30					30
2nd cross		30					30
3rd cross		30					30
2nd main road		65					65
cross road		20					20
cross road		20					20
							330.00

C4PC CP 31/1/21

NDD AE(LSG) 31/1/2021

e Engineer

Assistant Engineer

Assistane Executive Engineer

Item name:-10	Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification						
		cum			Qty vide item no.01	800.33	NDP AE(L2)
					Ctd to	800.30	
Item name:-11	Laying Reinforced cement concrete pipe NP2 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications. MORTH						
		45	3				135.00
		m				Total Qty	135.00
Item name:-12	Providing 100mm and down size nominal size						
		45	0.28			1.2	15.12
		cum				Total Qty	15.12
Item name:-13	Providing 40mm and down size nominal size						
		45	0.28			0.4	5.04
		cum				Total Qty	5.04
Item name:-14	Providing 20mm and down size nominal size						
		45	0.28			0.4	5.04
		cum				Total Qty	5.04
Item name:-15	Providing Fine aggrgate 2.36mm nominal size						
		45	0.28			0.3	3.78
		cum				Total Qty	3.78

Item name:-16	Providing and fixing MS Grating 260x260 mm						
							90
		nos			**Total Qty**		90
Item name:-17	Direction and place identification signs upto 0.9 sqm size Board - Providing and erecting direction and place identification retro-reflectorised signs as per revised IRC : 67-2012 made of high intensity grade sheeting vide clause 800.1.3, fixed over aluminium sheeting, 2mm thick with area not exceeding 0.9 sqm supported on a mild steel single angle iron post 75x75x6mm firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 45x45x60cm, 60cm below ground level as per approved drawing complete as per specifications. MORTH Specification No.801 Type IV sheeting						
	Amruthanagara	75	0.6	0.45			20.25
		75	0.6	0.15			6.75
	Pampa extension	50	0.6	0.45			13.5
		50	0.6	0.15			4.5
					Total Qty		45
Item name:-18	Providing and applying readymix priming coat concrete / masonry / asbestos cement sheet /plasterd surface including preparing the surface after throughly cleaning of oil grease dirt and other foreign matter and sand papering cost of materials labour as per specifications						
	Amruthanagara	75*2	0.6			0.45	40.5
		75*2	0.6			0.15	13.5
	Pipes	75	0.31			2.6	60.45
	Pampa extension	50*2	0.6			0.45	27
		50*2	0.6			0.15	9
		50	0.31			2.6	40.3
	For existin boards	125*2	0.6			0.45	67.5
		125*2	0.6			0.15	22.5
		125	0.31			2.6	100.75
					Total Qty		381.5

Assistant Engineer

Assistane Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092